Performance Data Sheet

AWA7515ZXD

General Information

Model	AWA7515ZXD	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	12900	10100	8430	7440	6710	5810	4310
	Watts	1840	1820	1810	1800	1800	1790	1780
	Amps	8.75	8.71	8.72	8.72	8.65	8.44	8.03
	Lb/h	226	184	166	162	162	158	140
-5	Btu/h	15100	11900	9850	8560	7560	6430	4730
	Watts	1860	1870	1880	1900	1910	1920	1910
	Amps	8.92	8.98	9.09	9.20	9.23	9.13	8.83
	Lb/h	266	219	195	186	183	175	156
0	Btu/h	17500	13900	11600	9950	8690	7320	5420
	Watts	1920	1950	1990	2020	2050	2070	2080
	Amps	9.19	9.34	9.55	9.75	9.87	9.87	9.66
	Lb/h	312	259	230	217	210	201	179
5	Btu/h	20200	16200	13500	11600	10100	8450	6340
	Watts	2000	2060	2110	2170	2210	2240	2250
	Amps	9.53	9.77	10.1	10.3	10.6	10.6	10.5
	Lb/h	362	304	271	254	245	234	211
10	Btu/h	23100	18800	15700	13500	11600	9780	7460
	Watts	2090	2170	2250	2320	2380	2420	2440
	Amps	9.93	10.2	10.6	11.0	11.2	11.4	11.4
	Lb/h	416	353	316	297	286	273	250
15	Btu/h	26200	21500	18100	15500	13400	11300	8750
	Watts	2180	2290	2380	2470	2540	2600	2620
	Amps	10.3	10.7	11.1	11.6	11.9	12.1	12.2
	Lb/h	473	406	366	344	331	318	295
20	Btu/h	29500	24400	20600	17700	15300	12900	10200
	Watts	2260	2390	2510	2620	2700	2760	2800
	Amps	10.8	11.2	11.7	12.1	12.5	12.8	12.9
	Lb/h	532	462	419	396	382	368	345
25	Btu/h	33000	27400	23300	20000	17300	14700	11700
	Watts	2330	2490	2620	2740	2840	2910	2950
	Amps	11.1	11.6	12.1	12.7	13.1	13.5	13.6
	Lb/h	593	520	475	450	436	422	401

30	Btu/h	36500	30500	26000	22400	19400	16500	13300
	Watts	2380	2550	2710	2840	2950	3030	3070
	Amps	11.5	12.0	12.5	13.1	13.6	14.0	14.2
	Lb/h	655	579	533	508	493	481	461

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.408363E+05	2.189564E+03	1.745341E+01	2.731950E+03
C2	1.381716E+03	-5.200084E+01	-6.374813E-02	2.394708E+01
C3	-3.114261E+03	-1.384244E+01	-2.838848E-01	-6.344946E+01
C4	6.260371E+00	5.499877E-01	2.951690E-03	7.703733E-04
C5	-1.369184E+01	1.091262E+00	1.452245E-03	-2.433414E-01
C6	2.541181E+01	1.813414E-01	3.093204E-03	5.376387E-01
C7	-4.509859E-02	-1.216275E-02	-3.399365E-05	-9.188507E-04
C8	-1.141993E-02	-1.605091E-03	-1.852943E-05	1.099396E-03
C9	3.557162E-02	-3.385364E-03	1.553818E-06	8.002730E-04
C10	-7.197262E-02	-6.304755E-04	-1.044943E-05	-1.533300E-03

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature